DEPARTMENT OF ELECTRICAL ENGINEERING
INTERNAL ASSESSMENT,
SESSION 22-23(S)
TH- 3 , ELECTRICAL MEASUREMENT & INSTRUMENATION
4TH SEMESTER   F.M=20 TIME- 1 Hr

Answer **ALL** questions   [2X5=10]

1. A) To convert of 2mA meter with internal resistance of 120Ω into an ammeter of range

   0-200mA, the value of shunt resistance required is--------.

   B) Defined creeping & what it's cause.

   C) Write down the necessity of deflecting torque, controlling torque & damping torque.

   D) Defined sensitivity & resolution.

   e) What is error? Explain different types of error of measuring instruments?

Answer any two questions   [5X2 =10]

2. Describe construction & principle of working of 1Ø induction type energy meter with neat diagram also draw phasor diagram.

3. State the principle of moving iron instruments. Derive torque equation with neat diagram. Write its advantage & disadvantage.

4. Write Short Notes On PMMC type instruments.